ABSTRACT

A method comprising encoding a plurality of signals according to a predetermined negation scheme and transmitting the plurality of signals, wherein each signal is transmitted by way of a wireless channel. The method further comprises receiving a signal, wherein the received signal is a combination of the plurality of transmitted signals, and interpolating between data in the received signal to generate a plurality of systems of equations. The method further comprises solving the plurality of systems of equations to determine a gain and phase shift applied to each of the plurality of transmitted signals by a corresponding wireless channel.